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PATENT  
P57026

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Appeal No. \_\_\_\_\_

JI-SOOK KIM *et al.*

Serial No.: 10/775249

Examiner: KARIKARI, KWASI

Filed: 11 February 2004

Art Unit: 2617

For: METHOD FOR OPERATING WIRED AND WIRELESS PHONE SERVICES  
INTERCONNECTIVELY

**CERTIFICATE OF FACSIMILE TRANSMISSION**

Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

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Sir:

I hereby certify that, on 25 August 2008, this correspondence, Response to Notification of Non-compliant Appeal Brief (Paper No. 21) and the corrected Summary of Claimed Subject Matter section (replacement pages 7-8), are being facsimile transmitted to the U.S. Patent & Trademark Office (Facsimile No. 571-273-8300).

Respectfully submitted,



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Folio: P57026  
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I.D.: REB/kf

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BEFORE THE BOARD OF APPEALS AND INTERFERENCES

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For: METHOD FOR OPERATING WIRED AND WIRELESS PHONE SERVICES  
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**RESPONSE TO  
NOTIFICATION OF NON-COMPLIANT APPEAL BRIEF**

Paper No. 21

Mail Stop Appeal Brief-Patents  
Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450


Sir:

In response to the Notification of Non-Compliant Appeal Brief mailed on 29 July 2008 (Paper No. 20080726), Applicants submit herewith corrected section V, Summary of Claimed Subject Matter (replacement pages 7-8).

Section V is amended to refer to paragraph numbers of the specification, and to describe the claimed subject matter as recited in independent claims 21 and 30, and in separately argued dependent claims 26, 28, 29 and 33.

Accordingly, it is respectfully submitted that the Appeal Brief is now in compliance with 37 C.F.R. §41.37. If there is still any problem, the Examiner is requested to telephone the undersigned attorney.

Respectfully submitted,

  
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P57026**V. SUMMARY OF CLAIMED SUBJECT MATTER**

As recited in independent claim 21, with reference to the specification and Figures 2 and 3, the invention relates to a system for operating wired and wireless phone services interconnectively, the system comprising: a private base station controller (pBSC) 40 which is connected to a public switched telephone network (PSTN) 10 and a private base station transceiver system (pBTS) 210, and which provides a mobile communication service to a plurality of mobile communication terminals 220, 240, 260 (paragraph [0068]); and a group exchange 100 which is connected to the PSTN 10, and which assigns a respective virtual wired phone number to each respective mobile communication terminal 220, 240, 260 existing in a mobile zone 200 as a management region of the pBTS 210, and which provides a public wired phone service to said each respective mobile communication terminal 220, 240, 260 using the respective virtual wired phone number, and which provides a wired phone service to a wired terminal 11 existing outside the mobile zone 200 (paragraph [0080]); wherein, when receiving a request for an outgoing service from an internal mobile communication terminal, the group exchange 100 changes a caller identification (CID) into the respective virtual wired phone number assigned to the internal mobile communication terminal, and calls a called terminal via the PSTN 10 (paragraph [0087]).

As recited in independent claim 30, with reference to the specification and Figures 2 and 3, the invention relates to a method for operating wired and wireless phone services interconnectively, the method comprising the steps of: assigning, by a group exchange 100, a respective virtual wired phone number to each respective one of a plurality of mobile communication terminals 220, 240, 260 existing in a mobile zone 200 as a management region of a private base station transceiver system (pBTS) 210 (paragraph [0068]); providing, by the group exchange 100, a wired phone service to a wired terminal 11 existing outside the mobile zone 200 (paragraph [0069]); providing, by the group exchange 100, a public wired phone service to the mobile communication terminals 220, 240, 260

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by linking the respective virtual wired phone numbers with respective mobile identifier numbers (MINs) of the mobile communication terminals 220, 240, 260 (paragraphs [0079], [0080] and [0090]); and when the group exchange 100 receives a request for an outgoing service from an internal mobile communication terminal, changing, by the group exchange 100, a caller identification (CID) into the respective virtual wired phone number assigned to the internal mobile communication terminal, and calling a called terminal via a public switched telephone network (PSTN) 10 (paragraph [0087]).

As recited in dependent claim 26, the group exchange is connected to the PSTN through No. 7 signaling (paragraph [0107] of the specification).

As recited in dependent claim 28, when receiving the request for the outgoing service from the internal mobile communication terminal, the pBSC checks a service type identifier defining which one of a private network service and a public network service the internal mobile communication terminal requests (paragraphs [0128] and [0129] of the specification).

As recited in dependent claim 29, the pBSC relays an outgoing call to the group exchange when the internal mobile communication terminal requests the private network service, and relays the outgoing call to a public land mobile network (PLMN) when the internal mobile communication terminal requests the public network service (paragraph [0129] of the specification and Figure 3).

As recited in dependent claim 33, the method of the invention further comprises the step of rerouting, by the group exchange, an incoming call to one of a public switched telephone network (PSTN) and a public land mobile network (PLMN) when the called wired terminal and the mobile communication terminal make no response (paragraph [0089] of the specification).